

1

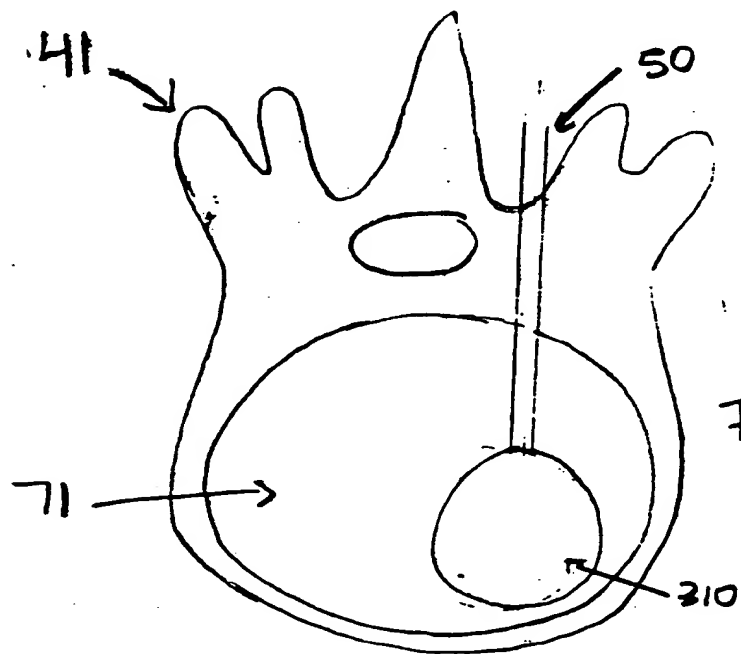


Fig. 1

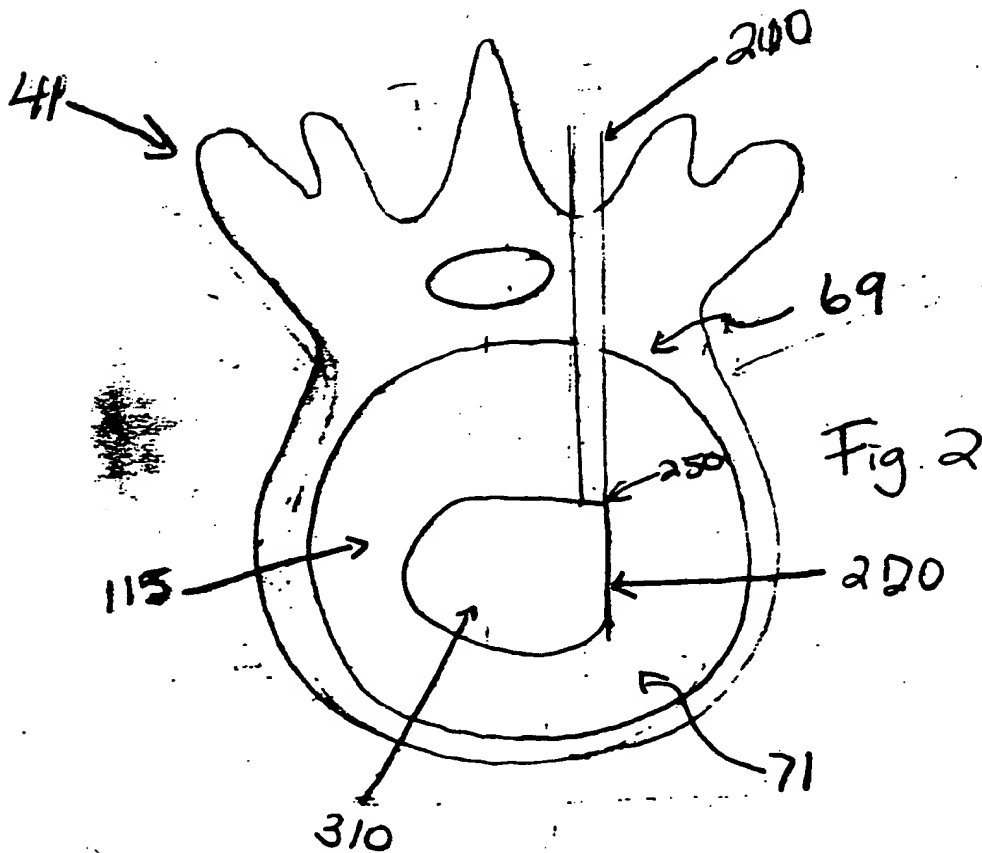
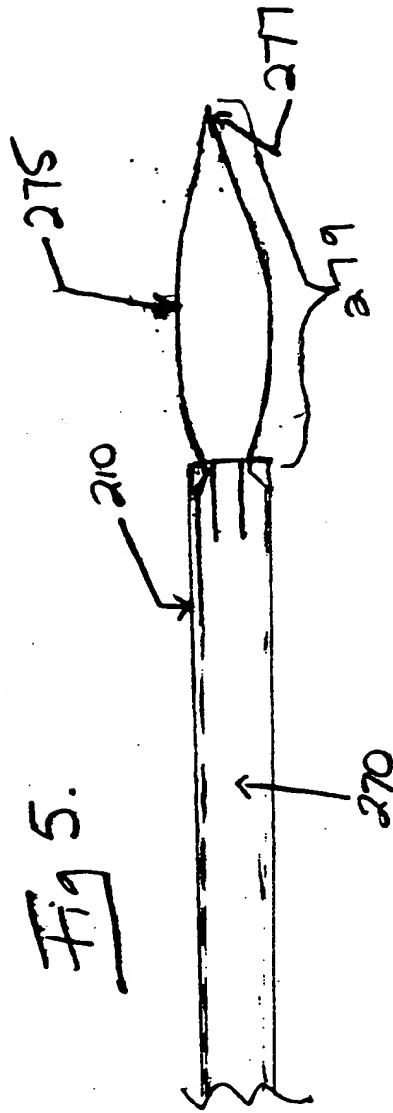
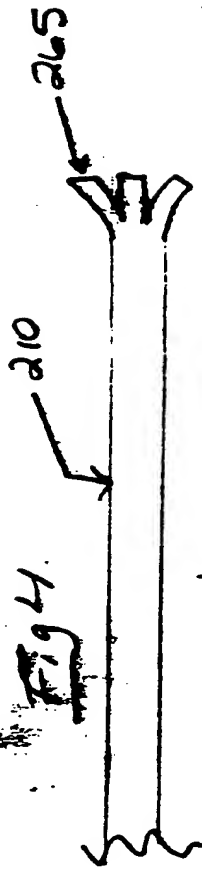
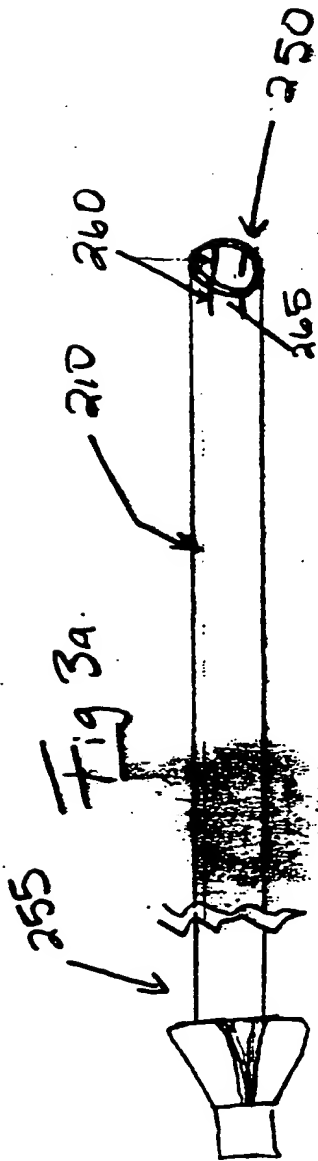


Fig. 2



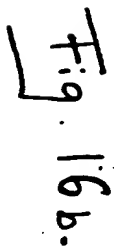


Fig. 7.

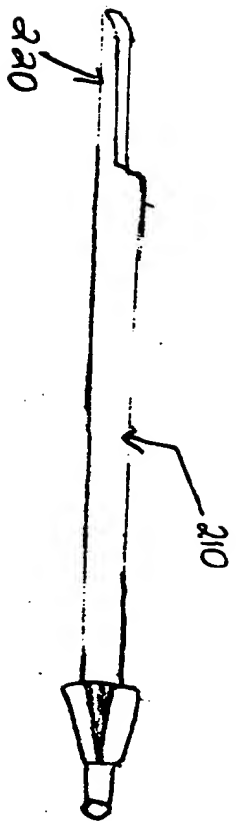


Fig. 9a

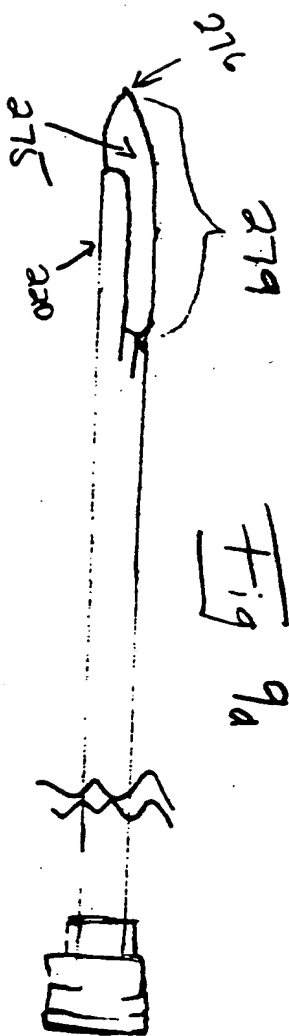


Fig. 10.

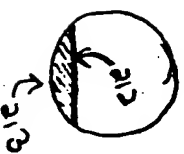


Fig. 11

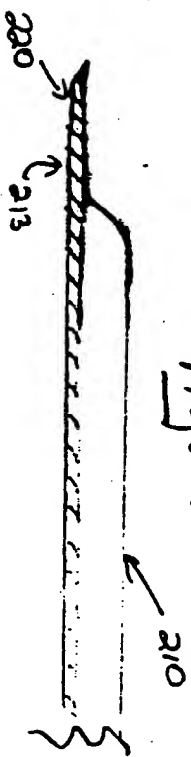


Fig. 12

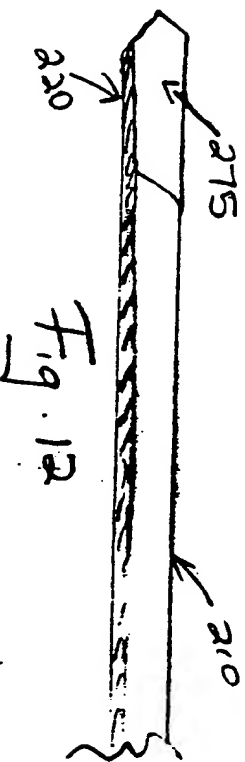


Fig. 13

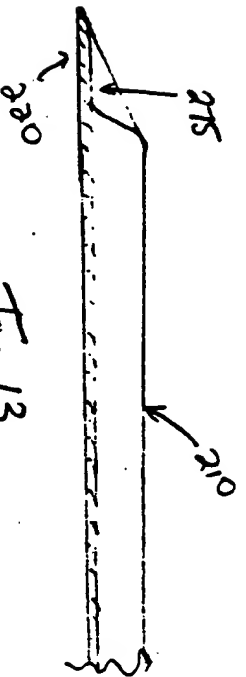


Fig. 13: A perspective view of a long, thin, tapered object, similar to Fig. 7, but with a different tip shape. It is labeled with 210 at the base, 220 at the tip, and 275 along the side.

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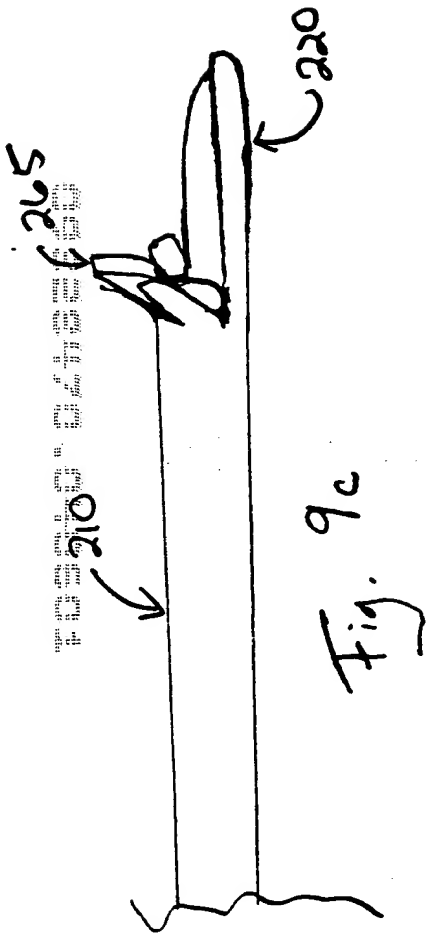
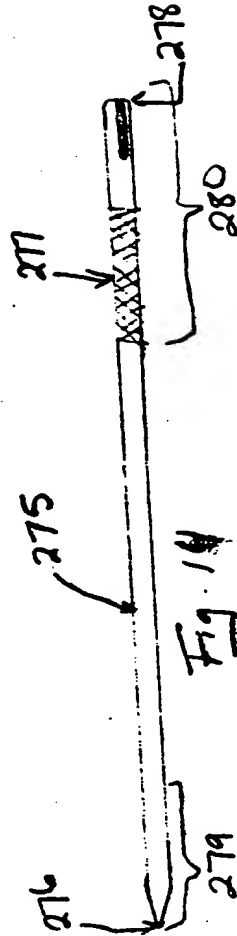
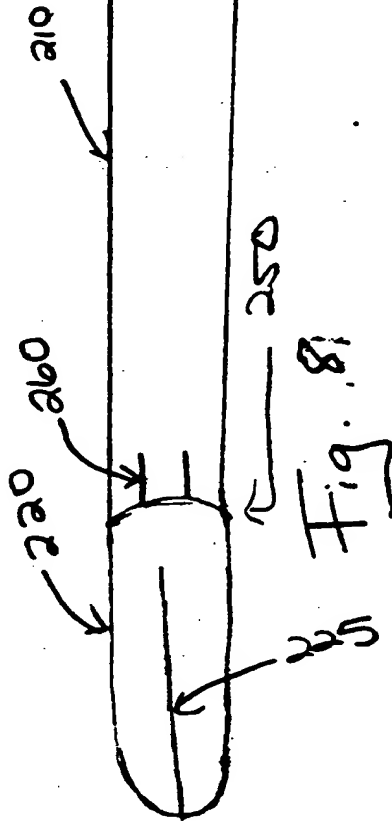


FIG. 8 is a cross-sectional view of the device in accordance with the present invention, showing the device in a closed position. The device includes a housing 210, a piston 220, a spring 230, and a valve 240. The piston 220 is biased by the spring 230 to the closed position, preventing fluid flow through the valve 240.



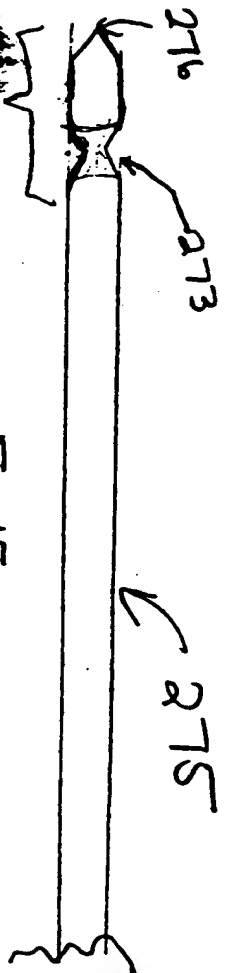


Fig. 15

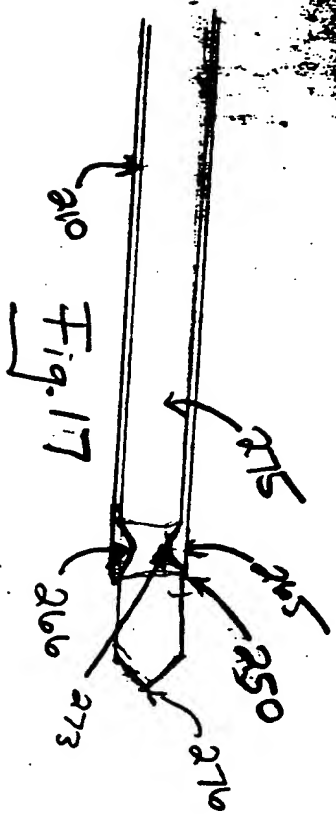


Fig. 17

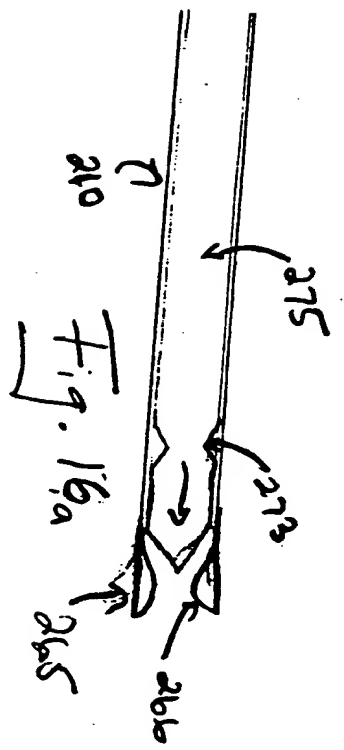


Fig. 16a

FIG. 15 is a perspective view of a component 275, showing a rectangular feature 273 at one end, which includes a central opening 276. A bracket 279 is positioned above the feature 273. FIG. 17 is a perspective view of a component 275, showing a central rectangular opening 276. The opening is defined by a top edge 273, a bottom edge 270, and side edges 250 and 266. A bracket 279 is located above the top edge 273. FIG. 16a is a perspective view of a component 275, showing a central rectangular opening 276. The opening is defined by a top edge 273, a bottom edge 266, and side edges 250 and 265. A bracket 279 is located above the top edge 273.

Fig. 18

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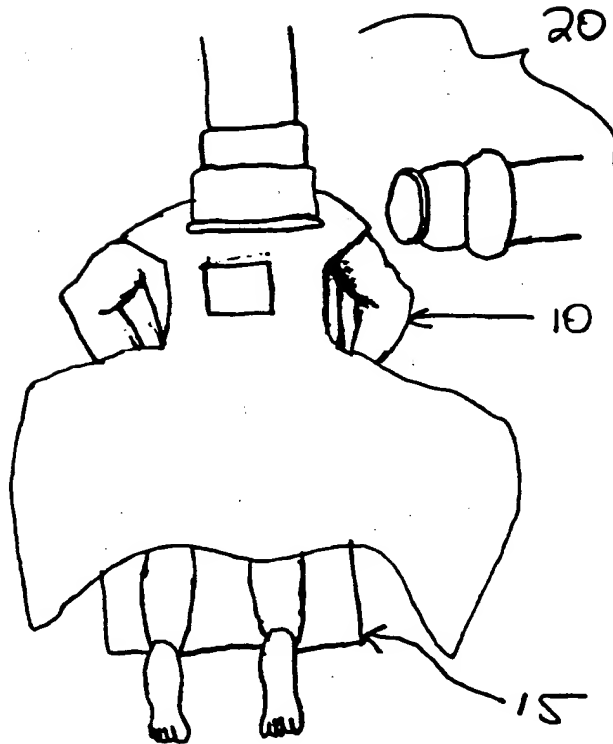
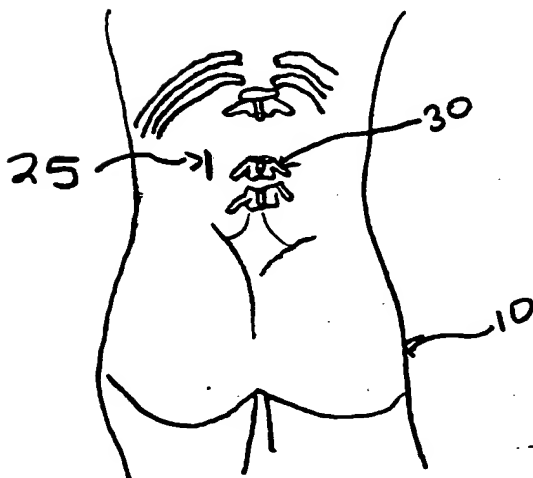


Fig. 19





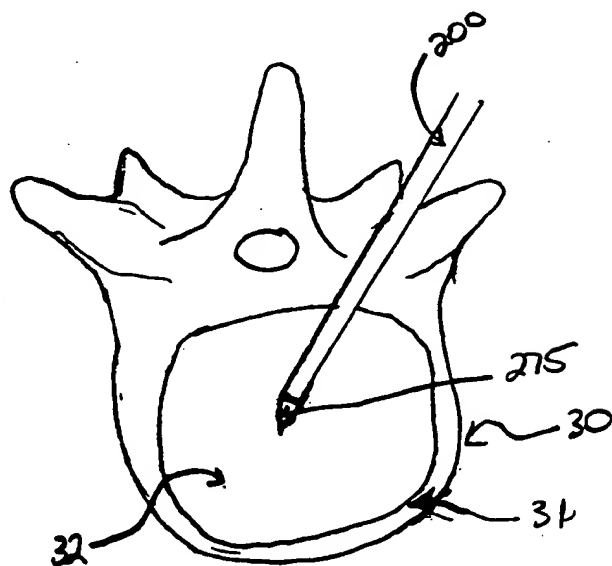
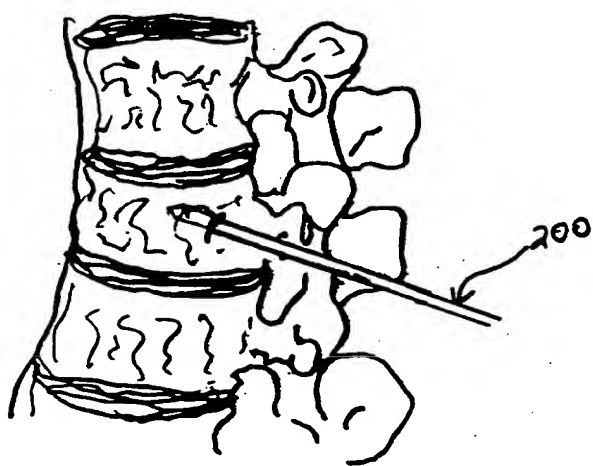
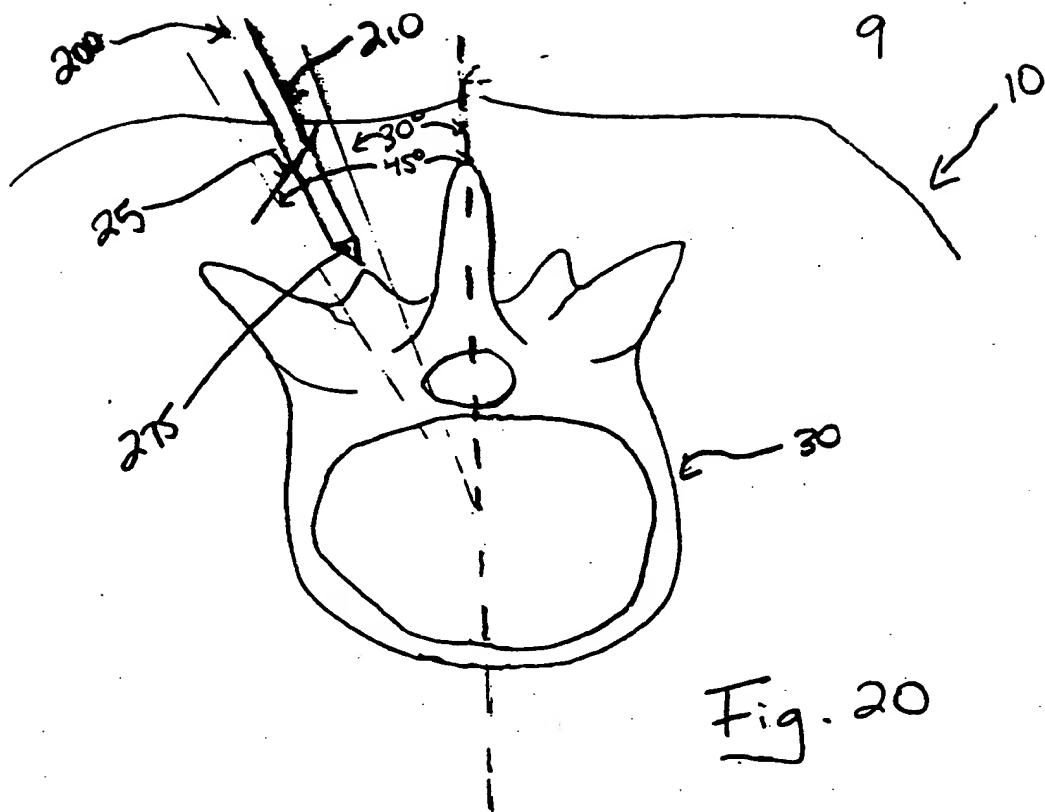


Fig. 22

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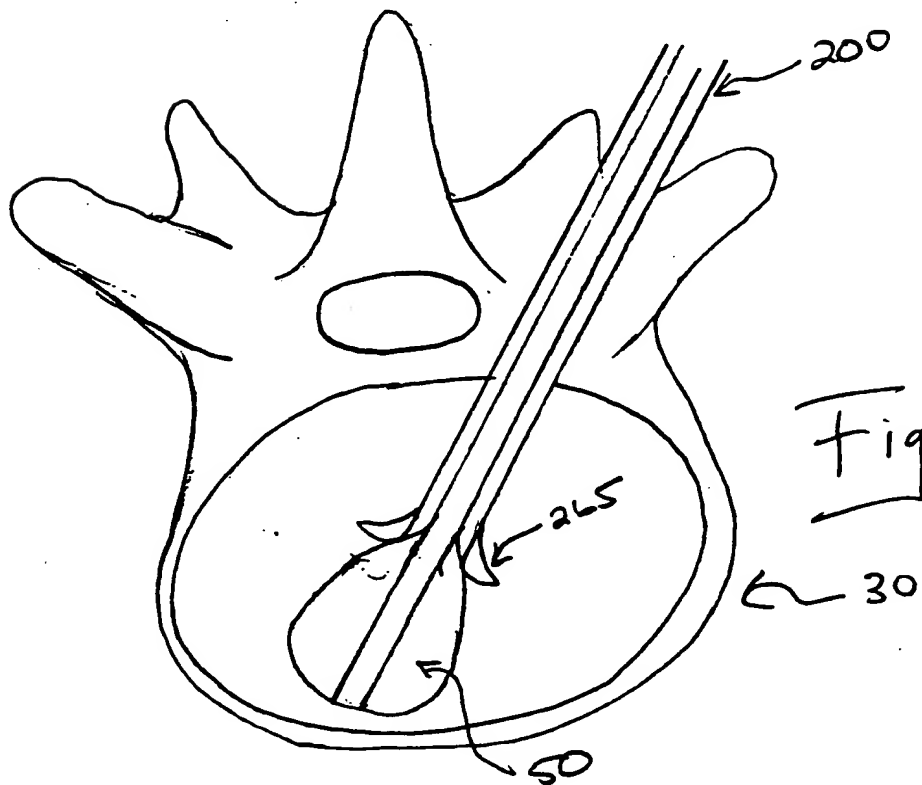
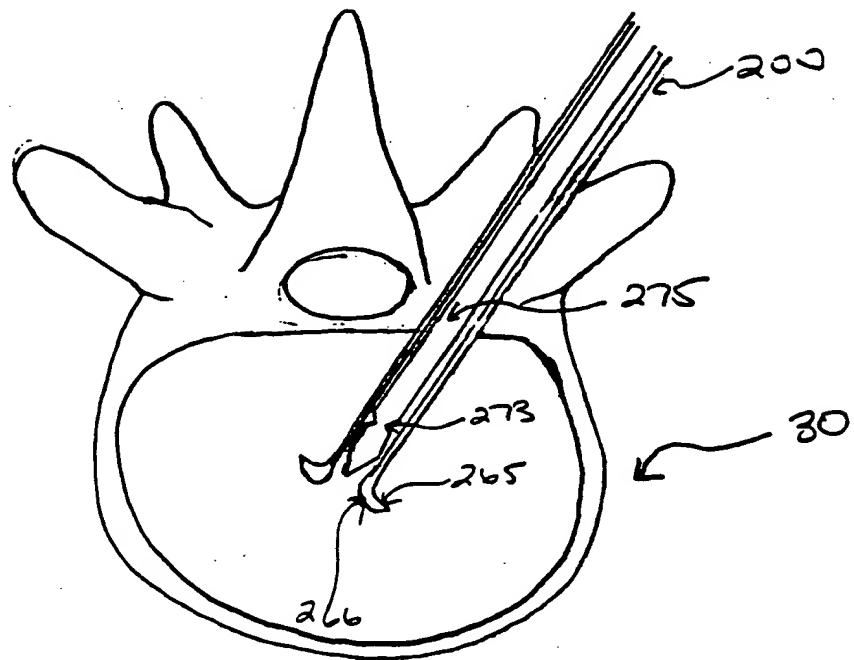


Fig. 23

Fig. 2-1

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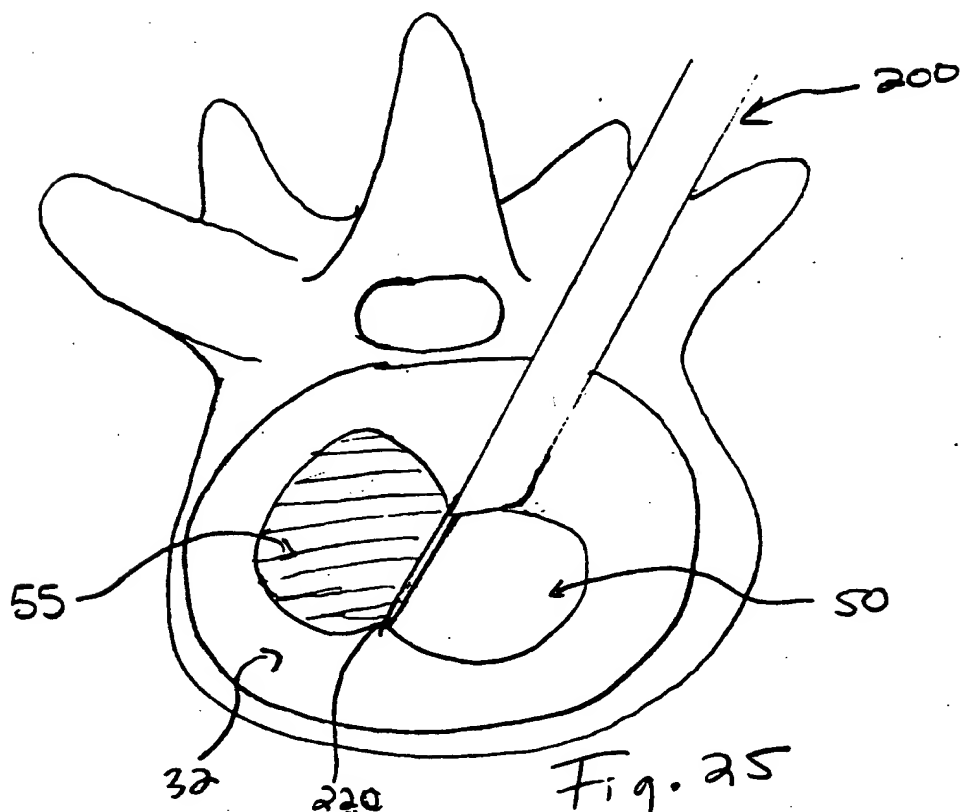
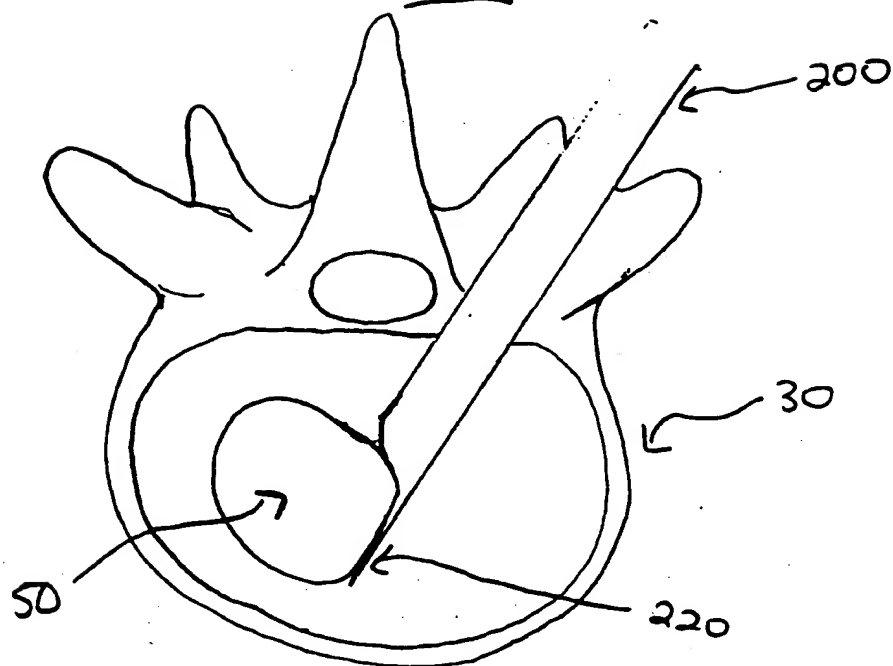


Fig. 2-5

Fig. 26 12

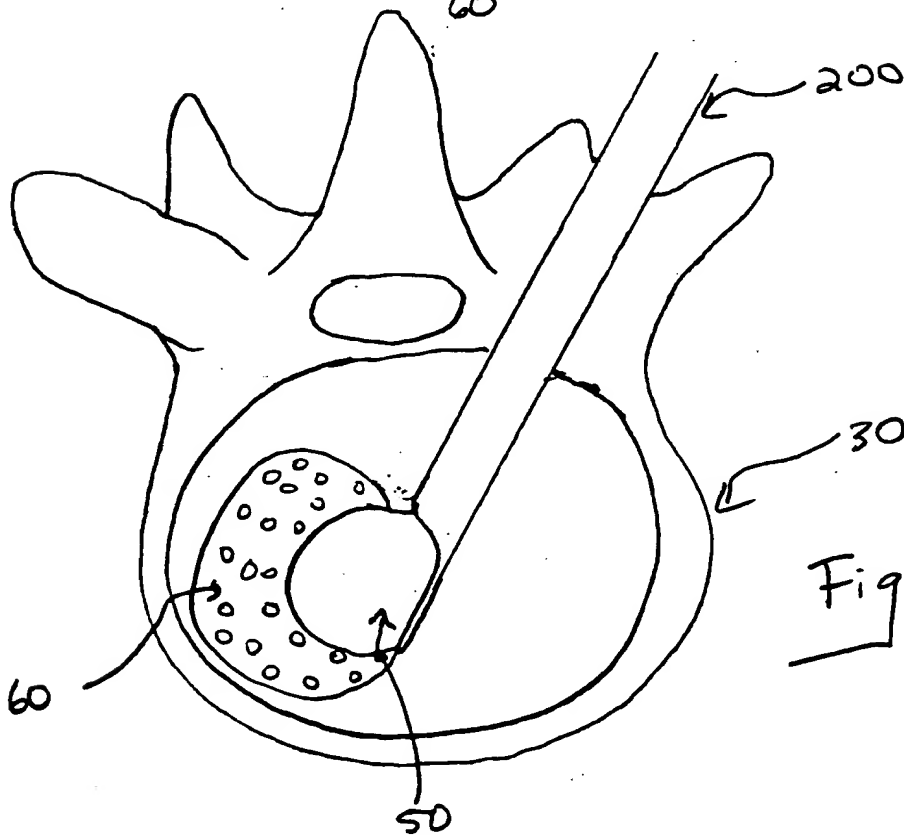
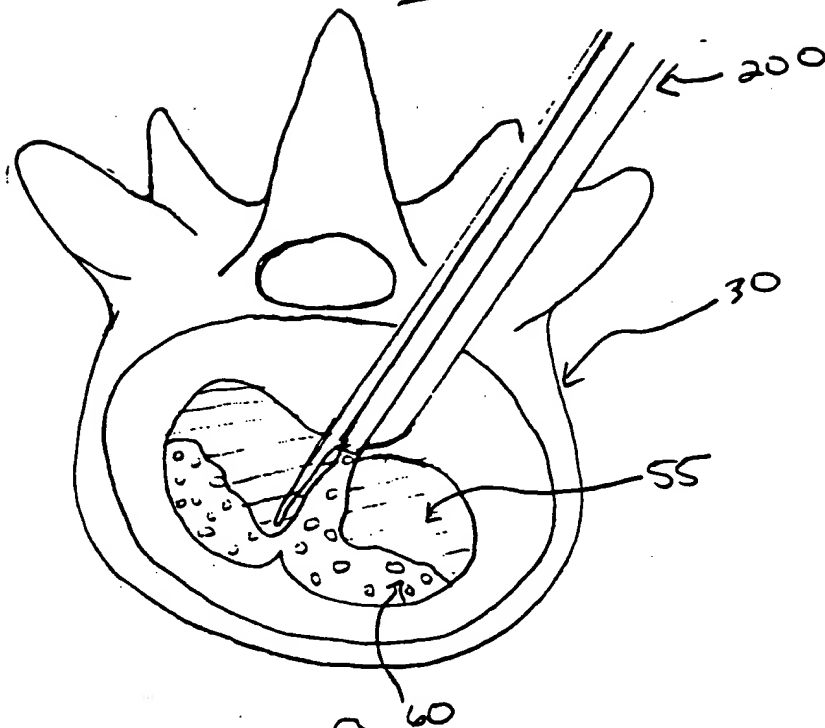


Fig. 27

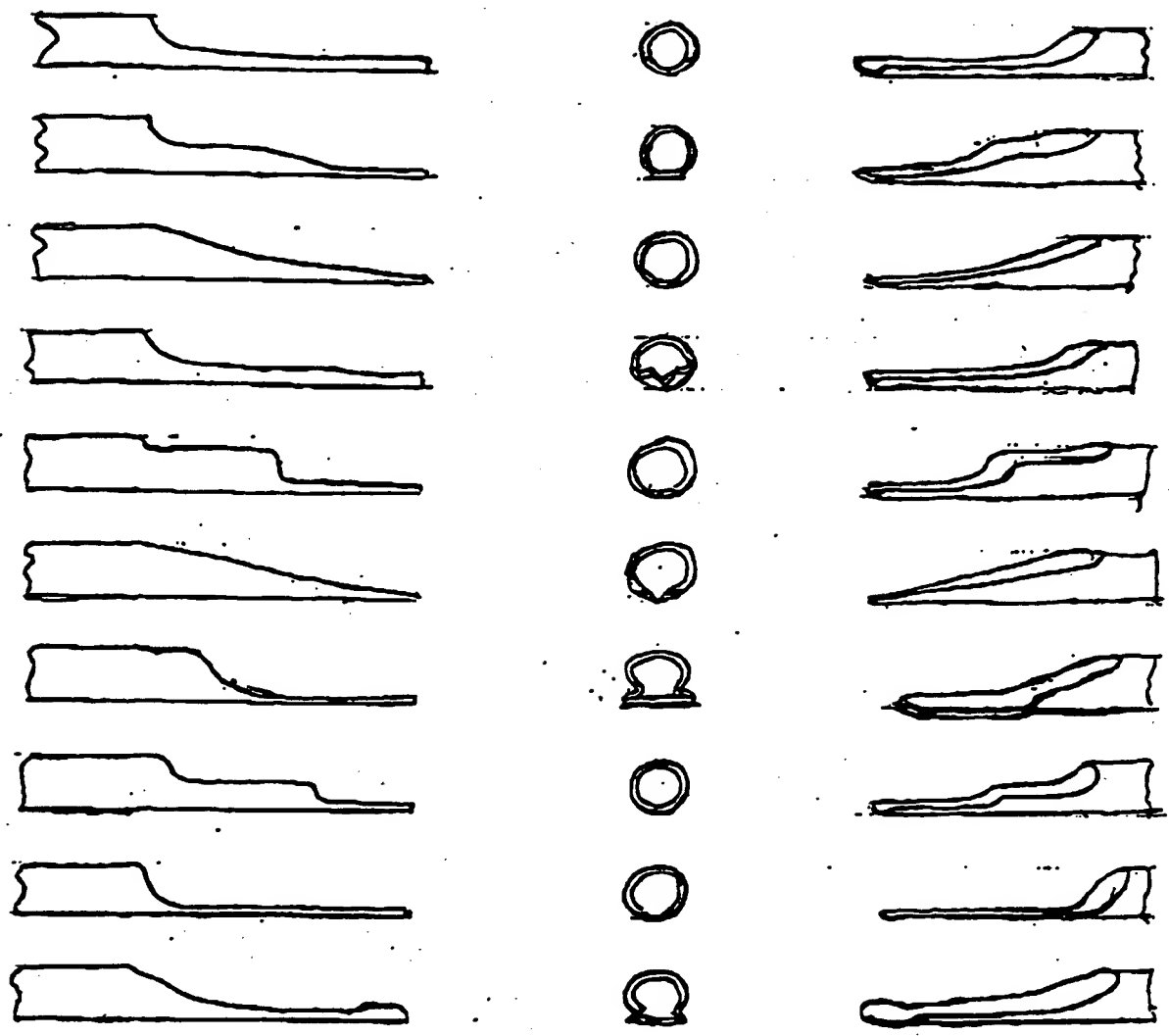
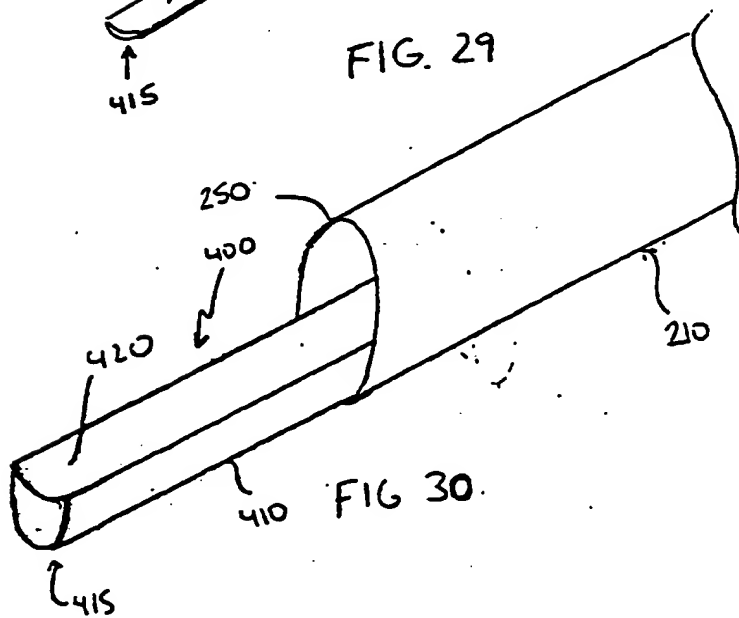
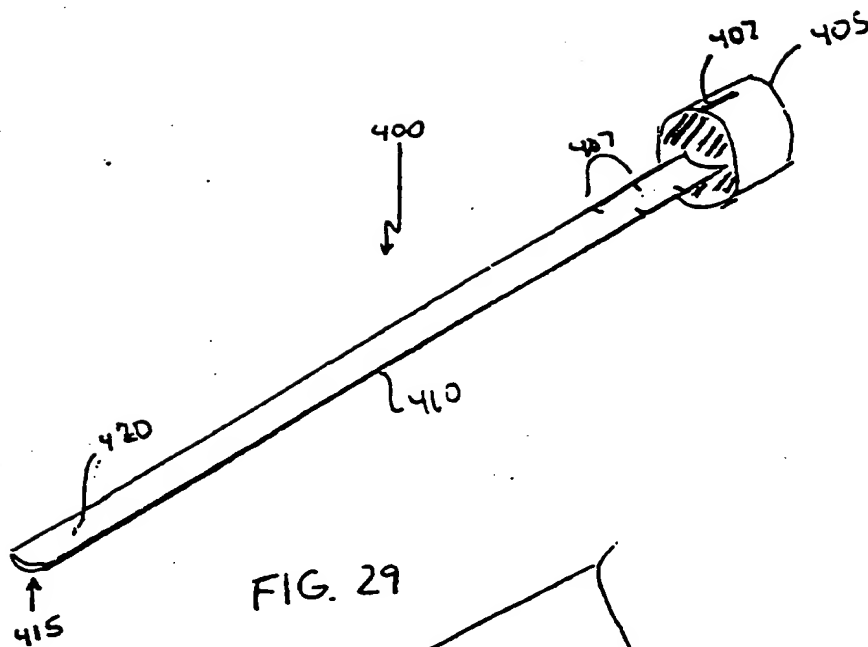


Fig. 28



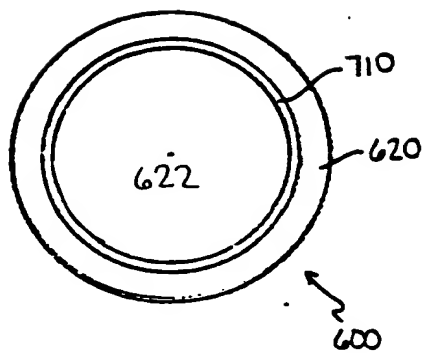


FIG 32

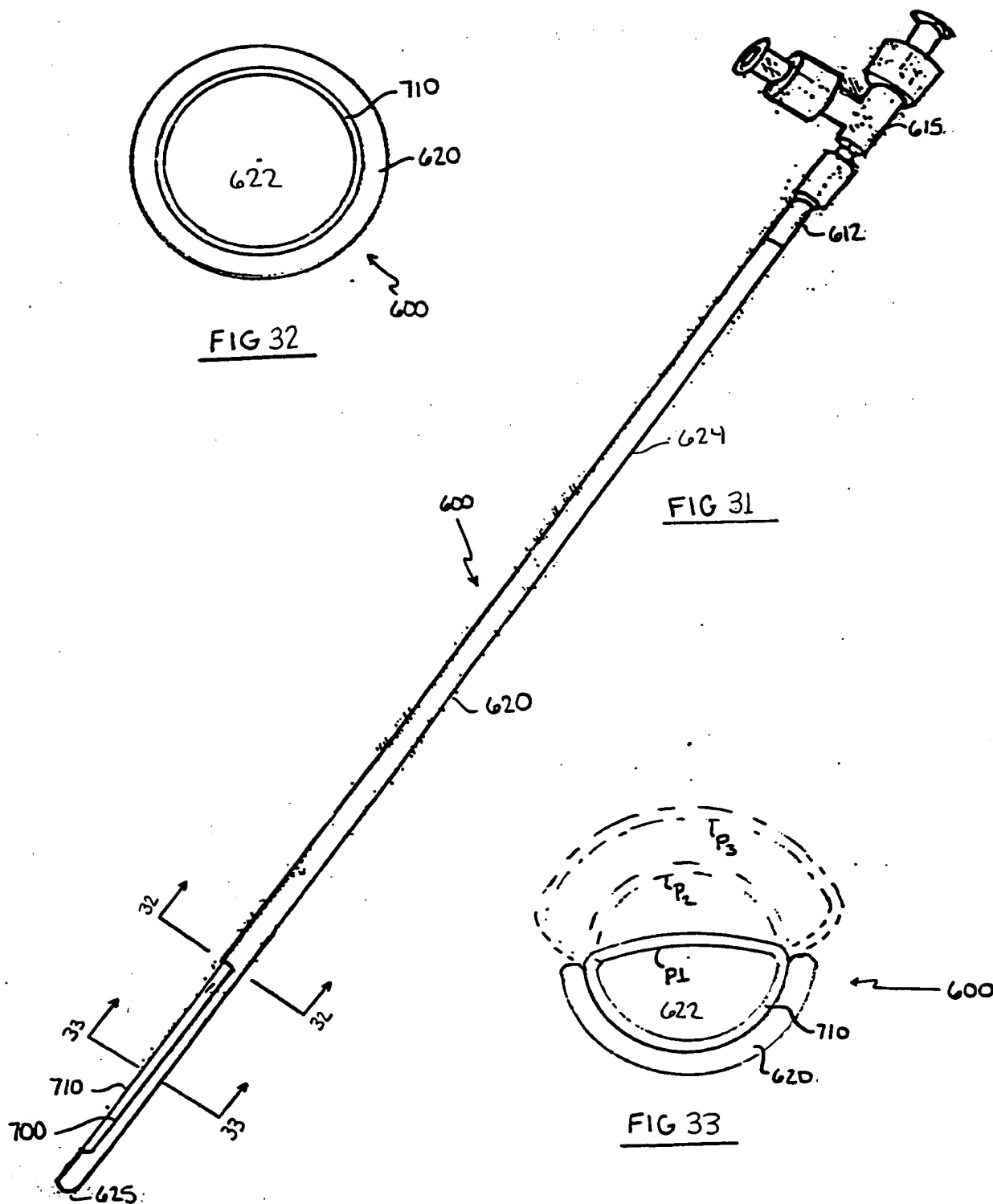


FIG 31

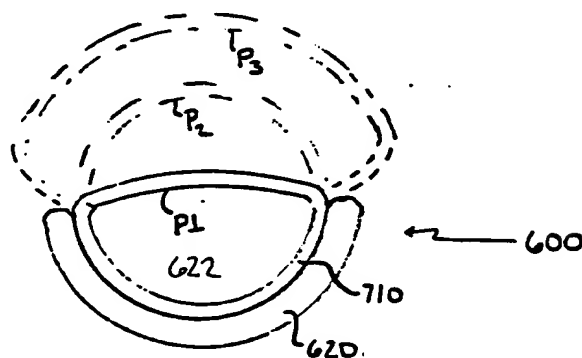


FIG 33

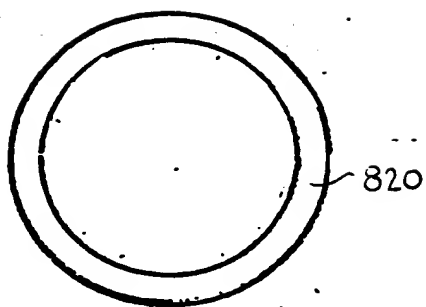


FIG 35

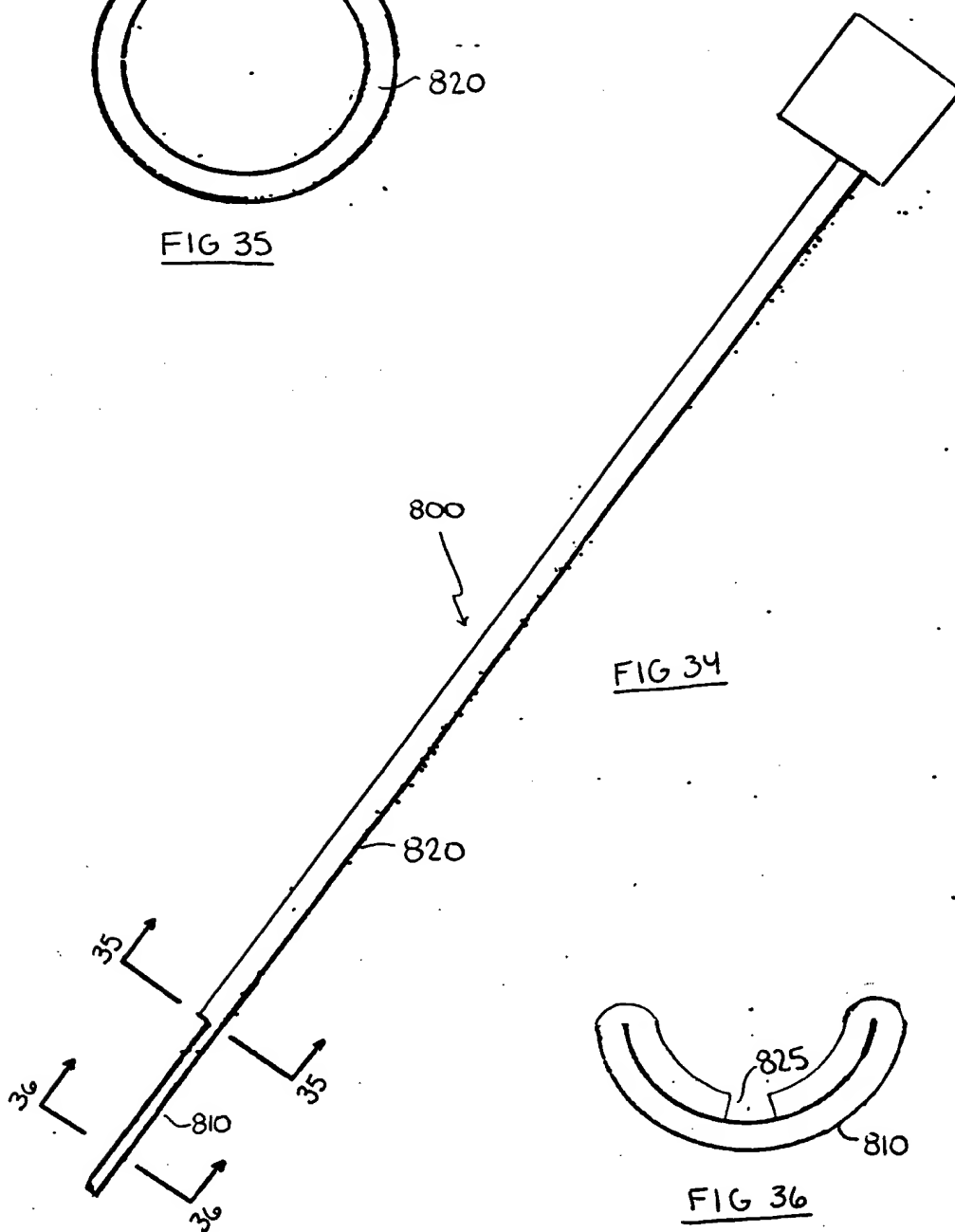


FIG 34

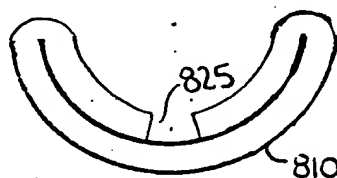


FIG 36



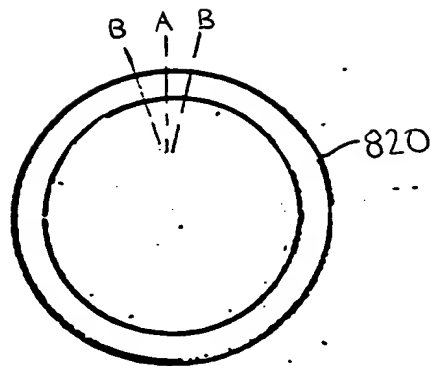


FIG 37

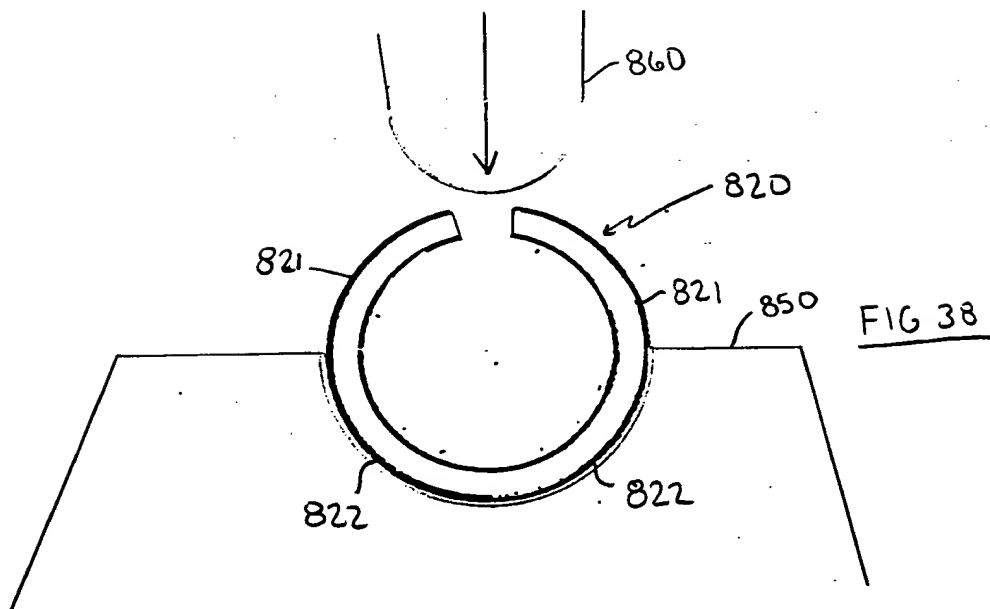


FIG 38

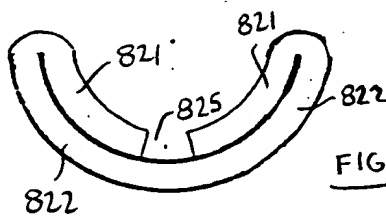


FIG 39